

ELECTRONIC ELIMINATION OF STRIATIONS IN LINEAR LAMPS

Abstract of Disclosure

The present invention provides a ballast circuit powered by a system power source. The ballast, in operative connection with the system power source, is an inverting type of ballast designed to generate an asymmetric alternating lamp input current on a lamp input line. Further, a gas discharge lamp is in operative connection to the lamp input line configured to receive the asymmetric alternating current. The inverting circuit of the ballast is configured with complementary switches configured to have unequal on times, thereby producing an asymmetric lamp input current. A DC blocking capacitor is provided to block any DC current from the lamp input line. The asymmetric alternating lamp input current eliminates visual striations otherwise occurring in the lamp.